

REMARKS

In the Office Action dated November 10, 2004, claim 44 was objected to because it was a method claim dependent from an apparatus claim. Claim 44 has now been canceled. Claims 31, 32, 64 and 65 have been canceled.

Original claims 1-3, 5-18, 20-35, 37-51 and 53-66 were rejected under 35 U.S.C. 102(b) as anticipated by the Bradley reference. Original claims 3, 19, 36 and 52 were rejected under 35 U.S.C. 103(a) as obvious over the Bradley reference in combination with the Chung reference. There was no action on original claim 4.

All the original independent claims 1, 17, 34 and 50 have been amended to recite features of applicants' invention which are not disclosed or suggested by either Bradley or Chung, or any combination of the two references. Specifically, these claims have been amended to require a circuit monitor that is "programmed to determine a power quality index for each of said multiple power quality categories, and a single overall power quality index for all of said power quality categories." Neither Bradley nor Chung discloses a circuit monitor that has these features. Indeed, it is noted that original claims 4, 20, 37 and 53, which are the original claims that came closest to the subject matter of amended claim 1, were not addressed in the Office Action. Claim 4 was neither allowed nor rejected nor addressed in any manner. Claims 20, 37 and 53 were rejected, but not compared with either of the cited references, despite detailed comparisons of many of the other rejected claims with the references.

Dependent claims 8, 24, 41 and 57 have been amended to further recite "said power quality indices for power quality categories involving steady state conditions are based on the percentage of time said conditions exist during an evaluation period and the severity of such conditions, and said power quality indices for power quality categories involving abnormal events are based on the number of such events that occur during an evaluation period and the severity of such events." Neither Bradley nor Chung discloses such power quality indices for power quality categories.

Dependent claims 9, 25, 42 and 58 have been amended to further recite that "said single overall power quality index for all of said power quality categories is a weighted average of said power quality indices for said power quality categories." Neither Bradley nor Chung discloses such an overall power quality index. Claims 10, 26, 43 and 59 add that the weighted average "is

based on the nature of the power distribution facility and the load types in said facility," which also is not disclosed by Bradley or Chung.

Dependent claims 11, 27, 44 and 60 have been amended to further recite that "said single overall power quality index for all of said power quality categories is the lowest of said power quality indices for said power quality categories." Neither Bradley nor Chung discloses such an overall power quality index.

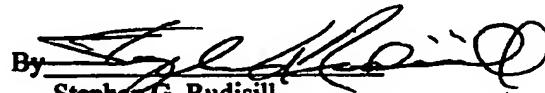
Dependent claims 13, 29, 46 and 62 have been amended to further recite that "said power quality indices for power quality categories are based at least in part on data collected in response to alarm events." Neither Bradley nor Chung discloses such an overall power quality index.

Dependent claims 14, 30, 47 and 63 have been amended to further recite that "said power quality indices for power quality categories are based at least in part on data collected from networked circuit monitors that include branch circuit monitors." Neither Bradley nor Chung discloses such power quality indices.

It is believed that no fee is presently due; however, should any additional fees be required (except for payment of the issue fee), the Commissioner is authorized to deduct the fees from Jenkens & Gilchrist, P.C. Deposit Account No. 10-0447, Order No. 47181-00283USPT.

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Respectfully submitted,

By 

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